

**Amendments to the Specification:**

Please replace the Title section with the following amended Title section:

**DESCRIPTION**

**INDUCTION HEATING APPARATUS**

**TITLE OF THE INVENTION**

Induction Heating Apparatus

**CROSS-REFERENCE TO RELATED APPLICATION**

This application is a Section 371 of International Application No. PCT/JP2004/009702, filed July 1, 2004, which was published in the Japanese language on January 13, 2005, under International Publication No. WO 2005/004541 A1, the disclosure of which is incorporated herein by reference.

Please amend the paragraph beginning on page 21, line 18 through page 22, line 16, as follows:

The induction heating apparatus of the embodiment 1 of the present invention is described using FIG. 1, FIG. 4 and FIG. 6. FIG. 6 is a sectional view showing the outline configuration of the induction heating apparatus of the embodiment 1 of the present invention. FIG. 6 was described in the example of prior art. FIG. 1 is a sectional view of the principal part showing the configuration of the induction heating apparatus of the embodiment 1 of the present invention. FIG. 4 is an outline drawing of exploded perspective view of the control unit of the embodiment 1 of the present invention. In FIG. 1, [[and]] FIG. 4, and FIG. 6, numeral 1 is a main frame composing an outer casing of the induction heating apparatus. The upper side plane of a main frame 1 is composed of a top plate 2. The top plate 2 has a loading part 3 on which a cooking container is placed. An induction heating coil (induction heating means) 4 is provided in the lower part of the loading part 3 of the top plate 2. The induction heating coil 4 induction-heats a cooking container 53 (cooking container to be heated, not shown in FIG. 1).

Please amend the paragraph beginning on page 30, lines 9 through 20, as follows:

The magneto-shielding member 31 of the embodiment 3 is described.

The magneto-shielding member 31 has the openings 32 between the double cylindrical bodies 31a and 31b that are almost coaxial to each other. In the embodiment [[2]] 3, number of openings is four. Even when the cylindrical body 31b generates heat, by cutting the heat by the openings 32, the thermal conduction to the cylindrical body 31a can be reduced further. Therefore, the ambient temperature in the vicinity of the infrared sensor 5 can be stabilized.